

What is claimed is:

1. A electric fluid servo valve assembly comprising:
 - (a) a valve body having a fluid inlet passage, a fluid outlet passage, a pressure signal port communicating with said outlet passage and an obturator disposed therein and moveable for controlling flow between said inlet passage and outlet passage upon connection of said inlet passage to a source of fluid;
 - (b) an electric actuator disposed with said body and operable upon electrical energization for affecting movement of said obturator;
 - (c) a circuit board with a pressure sensor having a sensing port disposed thereon, said circuit board including electrical connector terminals for external connection thereto, said board disposed over said body pressure signal port with said sensing port communicating with said pressure signal port; and,
 - (d) means for securing said circuit board over said pressure signal port.
2. The valve assembly defined in claim 1, wherein said valve body has a planar surface with said pressure signal port located thereon.
3. The valve assembly defined in claim 1, wherein said sensor is a transducer and said circuit board includes circuitry for processing a signal output of said transducer.
4. The valve assembly defined in claim 1, wherein said pressure sensor includes a piezoelectric transducer.
5. The valve assembly defined in claim 1, wherein said electric actuator includes a solenoid.

6. The valve assembly defined in claim 1, wherein said sensing port is sealed over said pressure signal port with an annular seal ring.
7. The valve assembly defined in claim 1, wherein said sensing port includes an aperture formed through said circuit board.
8. The valve assembly defined in claim 1, wherein said electric actuator includes a plurality of discrete electrical terminals.
9. The valve assembly defined in claim 1, further comprising a manifold with a plurality of said valve bodies secured thereon with said inlet and outlet passages of each valve body communicating with corresponding inlet and outlet ports on said manifold.

10. A method of making a fluid electric servo valve assembly comprising:
 - (a) providing a valve body having an inlet and outlet and a pressure signal port communicating with the outlet;
 - (b) disposing a movable obturator in said body between said inlet and outlet for controlling flow therebetween;
 - (c) disposing an electric actuator on said body and effecting movement of the obturator upon energization of the actuator;
 - (d) disposing a circuit board with a pressure sensor thereon over said pressure signal port and providing an electrical indication of the sensed pressure at the valve outlet.
11. The method defined in claim 10, further comprising disposing the valve body on a manifold block and connecting said inlet and outlet passages to corresponding inlet and outlet ports in said manifold.
12. The method of defined in claim 10, wherein said step of disposing a circuit board includes disposing a circuit board with a piezoelectric pressure sensor.
13. The method defined in claim 10, wherein said step of disposing an electric actuator includes disposing a solenoid and magnetically moving the obturator.
14. The method defined in claim 10, wherein said step of disposing a circuit board over said pressure signal port includes sealing said board over said port with an annular seal.